

FIG. 1B

FIG. 2

TCGGTTTTTCACAGTTGTTACATTTCTTTTCAGTAAAGTCTGGATGCATATG
GCGGCCGCATAA**CTTCGTATAGCATACATTATACGAAGTTATCTAGAGTTGC**
ATGCCTGCAGGTCCGAATTTCTGCCATTCATCCGCTTATTATCACTTATTCA
GGCGTAGCACCAGGCGTTTAAGGGCACCAATAACTGCCTTAAAAAAATTA
CGCCCCGCCCTGCCACTCATCGCAGTACTGTTGTAATTCATTAAGCAT
TCTGCCGACATGGAAGCCATCACAAACGGCATGATGAACCTGAATCG
CCAGCGGCATCAGCACCTTGTCGCCTTGCGTATAATATTTGCCCATGG
TGAAAACGGGGGGCGAAGAAGTTGTCCATATTGGCCACGTTTAAATCA
AAACTGGTGAAACTCACCCAGGGATTGGCTGAGACGAAAAACATATT
CTCAATAAACCCCTTTAGGGGAAATAGGCCAGGTTTTACCGTAACACGC
CACATCTTGCGAATATATGTGTAGAACTGCCGGAAATCGTCGTGGTA
TTCACTCCAGAGCGATGAAAACGTTTCAGTTTGCTCATGGAAAACGGT
GTAACAAGGGTGAACTATCCCATATCACCAGCTCACCGTCTTTTTCAT
TGCCATACGGAATTCGGGATGAGCATTTCATCAGGCGGGCAAGAATGT
GAATAAAGGCCGGATAAAACTTGTGCTTATTTTTCTTTACGGTCTTTA
AAAAGGCCGTAATATCCAGCTGAACGGTCTGGTTATAGGTACATTGA
GCAACTGACTGAAATGCCTCAAAATGTTCTTTACGATGCCATTGGGAT
ATATCAACGGTGGTATATCCAGTGATTTTTTTCTCCATTTTAGCTTCCTT
AGCTCCTGAAAATCTCGATAACTCAAAAAATACGCCCGGTAGTGATCTTA
TTTCATTATGGTGAAAGTTGGAACCTCTTACGTGCCGATCAACGTCTCATT
TTCGCCAAAAGTTGGCCCAGGGCTTCCCGGTATCAACAGGGACACCAGGA
TTTATTTATTCTGCGAAGTGATCTTCCGTCACAGGTATTTATTCGGACTCTA
GATAACTTCGTATAGCATACATTATACGAAGTTATGGATCATGGCTGTGCAG****
GTCGTAAATCACTGCATAATTCGTGTCGCTCAAGGCGCACTCCCGTTCTGG
ATAATGTTTTTTGCGCCGACATCATAACGGTTCTGGCAAATATTCTGAAAT
GAGCTGTTGACAATTAATCATCCGGCTCGTATAATGTGTGGAATTGTGAGC
GGATAACAATTTACACAGGAAACAGACTAATTCACAATAAAAAATAACCA
TATTGGAGGGGCATCATG

FIG. 3

CAGCAGTGGTGGTGATCGGTTTTGGCTGGGGCCCCCTCCCCGCACCGG
AGGCCGATTACAGCCAACCACAACAGGCAAAGGGTTTGGAAGATATT
CATATTATTATTGCGGTTGTCACAGTTGTTACATTTCTTTTCAGTAAAG
TCTGGATGCATATGGCGGCCGCATAACTTCGTATAGCATACATTATACGAAGT
TATGGATCATGGCTGTGCAAGGTCGTAAATCACTGCATAATTGGTGTCGCTCA
AGGCGCACTCCCGTTCTGGATAATGTTTTTTGCGCCGACATCATAACGGTTC
TGGCAAATATTCTGAAATGAGCTGTTGACAATTAATCATCCGGCTCGTATAA
TGTGTGGCATTG

FIG. 4

ACTTAGTTTGCCCAGCTTGCAAAAAGGCATCGCTGCAATTGGATGCATAT
GGCGGCCGCGCATAACTTCGTATAGCATACATTATACGAAGTTATCTAGAGTTG
CATGCCTGCAGGTCCGAATTTCTGCCATTTCATCCGCTTATTATCACTTATTC
AGGCGTAGCACCAGGCGTTTAAAGGGCACCAATAACTGCCTTAAAAAAATT
ACGCCCCGCCCTGCCACTCATCGCAGTACTGTTGTAATTCATTAAGCA
TTCTGCCGACATGGAAGCCATCACAAACGGCATGATGAACCTGAATC
GCCAGCGGCATCAGCACCTTGTCGCCTTGCGTATAATATTTGCCCATG
GTGAAAACGGGGGGCGAAGAAGTTGTCCATATTGGCCACGTTTAAATC
AAAAGTGGTGAACTCACCCAGGGATTGGCTGAGACGAAAAACATAT
TCTCAATAAACCCCTTTAGGGGAAATAGGCCAGGTTTTCACCGTAACACG
CCACATCTTGCGAATATATGTGTAGAAACTGCCGGAAATCGTCGTGGT
ATTCCTCCAGAGCGATGAAAACGTTTCAGTTTGCTCATGGAAAACGG
TGTAACAAGGGTGAACACTATCCCATATCACCAGCTCACCGTCTTTCA
TTGCCATACGGAATTCCGGATGAGCATTTCATCAGGCGGGCAAGAATG
TGAATAAAGGCCGGATAAACTTGTGCTTATTTTTCTTTACGGTCTTT
AAAAAGGCCGTAAATATCCAGCTGAACGGTCTGGTTATAGGTACATTG
AGCAACTGACTGAAATGCCTCAAAATGTTCTTTACGATGCCATTGGGA
TATATCAACGGTGGTATATCCAGTGATTTTTTTCTCCATTTTAGCTTCC
TTAGCTCCTGAAAATCTCGATAACTCAAAAAATACGCCCGGTAGTGATCTT
ATTTCAATTATGGTGAAAGTTGGAACCTCTTACGTGCCGATCAACGTCTCAT
TTTCGCCAAAAGTTGGCCCAGGGCTTCCCGGTATCAACAGGGACACCAGG
ATTTATTTATTCTGCGAAGTGATCTTCCGTACAGGTATTTATTCGGACTCT
AGATAACTTCGTATAGCATACATTATACGAAGTTATGGATCATGGCTGTGCA
GGTCGTAAATCACTGCATAATTCGTGTGCTCAAGGCGCACTCCCGTTCTG
GATAATGTTTTTTGCGCCGACATCATAACGGTTCTGGCAAATATTCTGAAA
TGAGCTGCTGACAATTAATCATCCGGCTCGTATAATGTGTGGAATTGTGAG
CGGATAACAATTTACACAGGAAACAGACGAGAAAGAATTATTTTACTTT
AGCGGAGCAGTTGAAGAATG

FIG. 5

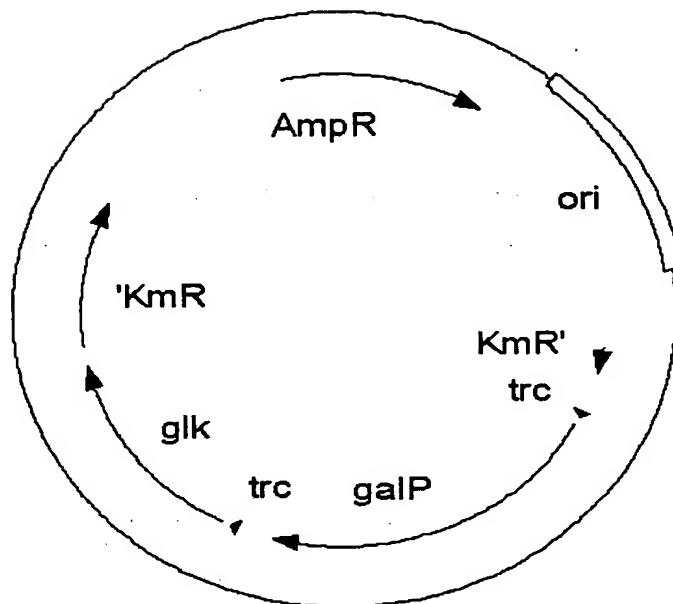


FIG. 6

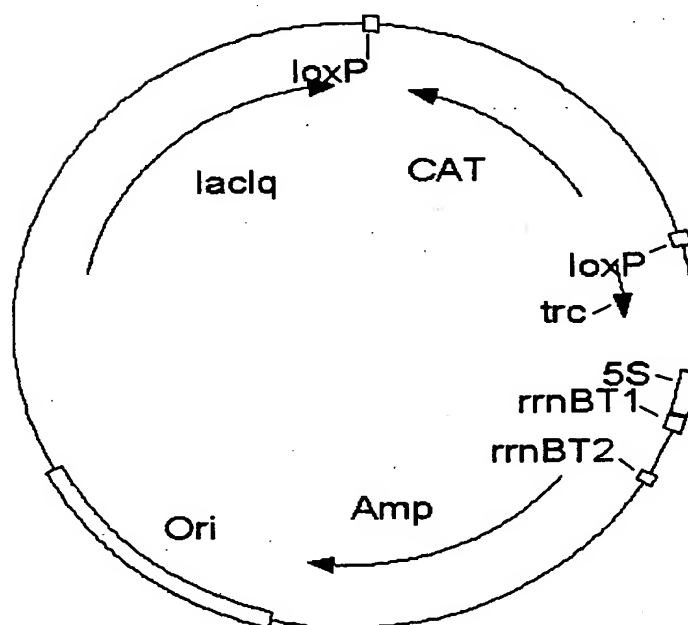


FIG. 7A.

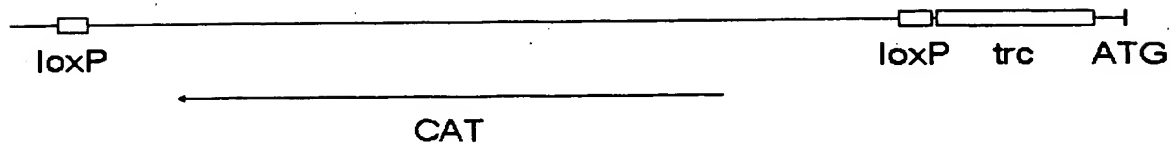


FIG. 7B

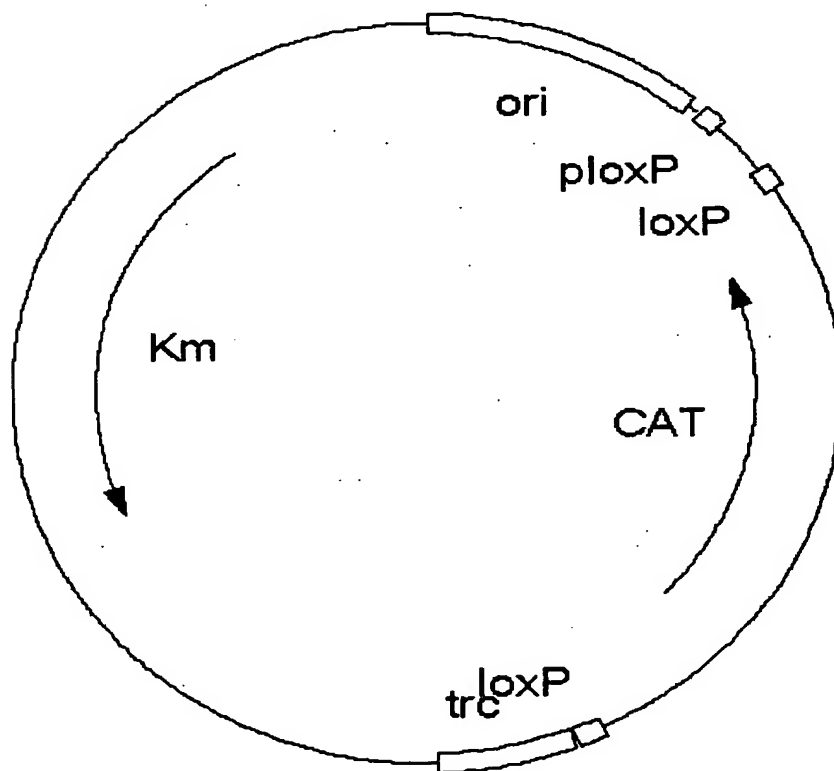


FIG. 8A

TAGTAAAGCCCTCGCTAGATTTTAATGCGGATGTTGCGATTACTTCGCCAACTAT
TGCGATAACAAGAAAAAGCCAGCCTTTTCATGATATATCTCCCAATTTGTGTAGGG
CTTATTATGCACGCTTAAAAATAATAAAAGCAGACTTGACCTGATAGTTTGGCTG
TGAGCAATTATGTGCTTAGTGTCATCTAACGCTTGAGTTAAGCCGCGCCGCGAAG
CGGCGTCGGCTTGAACGAATTGTTAGACATTATTTGCCGACTACCTTGGTGATC
TCGCCTTTCACGTAGTGGACAAATTCTTCCAAGTATGACGGGCTGAT
CGATCTTCTTGTCCAAGATAAGCCTGTCTAGCTTCAAGTATGACGGGCTGAT
ACTGGGCGCGCAGGCGCTCCATTGCCAGTCGGCAGCGACATCCTTCGGCGC
GATTTTGCCGGTTACTGCGCTGTACCAAATGCGGGACAACGTAAGCACTACATT
TCGCTCATCGCCAGCCAGTCGGGCGGCGAGTTCCATAGCGTTAAGGTTTCAT
TTAGCGCCTCAAATAGATCCTGTTCAAGAACCGGATCAAAGAGTTCCTCCGCCG
CTGGACCTACCAAGGCAACGCTATGTTCTCTTGCTTTTGTGAGCAAGATAGCCA
GATCAATGTCGATCGTGGCTGGCTCGAAGATACCTGCAAGAATGTCATTGCGCT
GCCATTCTCCAAATTGCAGTTCGCGCTTAGCTGGATAACGCCACGGAATGATGT
CGTCGTGCACAACAATGGTGAAGTCTACAGCGCGGAGAATCTCGCTCTCTCCAG
GGGAAGCCGAAGTTTCCAAAAGGTCGTTGATCAAAGCTCGCCGCGTTGTTTCAT
CAAGCCTTACGGTCACCGTAACCGCAAAATCAATATCACTGTGTGGCTTCAGGC
CGCCATCCACTGCGGAGCCGTACAAATGTACGGCCAGCAACGTCGGTTCGAGA
TGCGGCTCGATGACGCCAACTACCTCTGATAGTTGAGTCGATACTTCGGCGATC
ACCGCTTCCCTCATGATGTTTAACTTTGTTTTAGGGCGACTGCCCTGCTGCGTA
ACATCGTTGCTGCTCCATAACATCAAACATCGACCCACGGCGTAACGCGCTTGC
TGCTTGATGCCCGAGGCATAGACTGTACCCCAAAAAACAGTCATAACAAGCC
ATGAAAACCGCCACTGCGCCGTTACCACCGCTGCGTTCGGTCAAGGTTCTGGA
CCAGTTGCGTGAGCGCATACGCTACTTGCAATTACAGCTTACGAACCGAACAGGC
TTATGTCCACTGGGTTTCGTGCCTTCATCCGTTTCCACGGTGTGCGTCACCCGGC
AACCTTGGGCAGCAGCGAAGTCGAGGCATTTCTGTCCTGGCTGGCGAACGAGC
GCAAGGTTTCGGTCTCCACGCATCGTCAGGCATTGGCGGCCTTGCTGTTCTTCT
ACGGCAAGGTGCTGTGCACGGATCTGCCCTGGCTTCAGGAGATCGGAAGACCT
CGGCCGTGCGGGCGCTTGCCGGTGGTGCTGACCCCGGATGAAGTGGTTCGCA
TCCTCGGTTTTCTGGAAGGCGAGCATCGTTTGTTGCGCCAGCTTCTGTATGGAA
CGGGCATGCGGATCAGTGAGGGTTTGCAACTGCGGGTCAAGGATCTGGATTC
GATCACGGCACGATCATCGTGCGGGAGGGCAAGGGCTCCAAGGATCGGGCCT

FIG. 8B

TGATGTTACCCGAGAGCTTGGCACCCAGCCTGCGCGAGCAGGGGAATTAATTC
CCACGGGTTTTGCTGCCCGCAAACGGGCTGTTCTGGTGTGCTAGTTTGTTATC
AGAATCGCAGATCCGGCTTCAGCCGGTTTGCCGGCTGAAAGCGCTATTTCTTCC
AGAATTGCCATGATTTTTTCCCCACGGGAGGGCGTCACTGGCTCCCGTGTTGTCG
GCAGCTTTGATTGATAAGCAGCATCGCCTGTTTCAGGCTGTCTATGTGTGACT
GTTGAGCTGTAACAAGTTGTCTCAGGTGTTCAATTTTCATGTTCTAGTTGCTTTGT
TTTACTGGTTTACCTGTTCTATTAGGTGTTACATGCTGTTTCATCTGTTACATTGT
CGATCTGTTTCATGGTGAACAGCTTTGAATGCACCAAAAACCTCGTAAAAGCTCTG
ATGTATCTATCTTTTTTACACCGTTTTTCATCTGTGCATATGGACAGTTTTCCCTTT
GATATGTAACGGTGAACAGTTGTTCTACTTTTGTTTGTTAGTCTTGATGCTTCACT
GATAGATAACAAGAGCCATAAGAACCTCAGATCCTTCCGTATTTAGCCAGTATGTT
CTCTAGTGTGGTTCGTTGTTTTTGGTGAGCCATGAGAACGAACCATTGAGATC
ATACTTACTTTGCATGTCACTCAAAAATTTTGCCTCAAAAACCTGGTGAGCTGAATTT
TTGCAGTTAAAGCATCGTGTAGTGTTTTCTTAGTCCGTTATGTAGGTAGGAATC
TGATGTAATGGTTGTTGGTATTTTGTCAACCATTCATTTTTATCTGGTTGTTCTCAA
GTTCCGTTACGAGATCCATTTGTCTATCTAGTTCAACTTGGAAAATCAACGTATC
AGTCGGGCGGCCTCGCTTATCAACCACCAATTTTCATATTGCTGTAAGTGTTTAA
TCTTTACTTATTGGTTTCAAACCCATTGGTTAAGCCTTTTAACTCATGGTAGTT
ATTTTCAAGCATTAAACATGAACTTAAATTCATCAAGGCTAATCTCTATATTTGCCT
TGTGAGTTTTCTTTGTGTTAGTTCTTTAATAACCACTCATAAATCCTCATAGAG
TATTTGTTTTCAAAGACTTAACATGTTCCAGATTATTTTTATGAATTTTTTAAAC
TGGAAGATAAGGCAATATCTCTTCACTAAAACTAATTCTAATTTTTCGCTTGA
GAACTTGGCATAGTTTGTCCACTGGAAAATCTCAAAGCCTTTAACCAAAGGATTC
CTGATTTCCACAGTTCTCGTCATCAGCTCTCTGGTTGCTTTAGCTAATACACCAT
AAGCATTTTCCCTACTGATGTTTCATCATCTGAGCGTATTGGTTATAAGTGAACGA
TACCGTCCGTTCTTTCTTGTTAGGGTTTTCAATCGTGGGGTTGAGTAGTGCCAC
ACAGCATAAAATTAGCTTGGTTTCATGCTCCGTTAAGTCATAGCGACTAATCGCT
AGTTCATTTGCTTTGAAAACAATAATTGAGACATACATCTCAATTGGTCTAGGT
GATTTTAATCACTATACCAATTGAGATGGGCTAGTCAATGATAATTACTAGTCCTT
TTCCTTTGAGTTGTGGGTATCTGTAAATTCTGCTAGACCTTTGCTGGAAAACCTTG
TAAATTCTGCTAGACCTCTGTAAATTCGCTAGACCTTTGTGTGTTTTTTTTGTT
TATATTCAAGTGGTTATAATTTATAGAATAAAGAAAGAATAAAAAAAGATAAAAAG
AATAGATCCCAGCCCTGTGTATAACTCACTACTTTAGTCAGTTCCGCAGTATTAC

FIG. 8C

AAAAGGATGTCGCAAACGCTGTTTGCTCCTCTACAAAACAGACCTTAAAACCTA
AAGGCTTAAGTAGCACCCCTCGCAAGCTCGGGCAAATCGCTGAATATTCCTTTTG
TCTCCGACCATCAGGCACCTGAGTCGCTGTCTTTTTCGTGACATTCAGTTCGCT
GCGCTCACGGCTCTGGCAGTGAATGGGGGTAAATGGCACTACAGGCGCCTTTT
ATGGATTCATGCAAGGAACTACCCATAATACAAGAAAAGCCCGTCACGGGCTT
CTCAGGGCGTTTTATGGCGGGTCTGCTATGTGGTGCTATCTGACTTTTTGCTGT
TCAGCAGTTCCTGCCCTCTGATTTTCCAGTCTGACCACTTCGGATTATCCCGTG
ACAGGTCATTCAGACTGGCTAATGCACCCAGTAAGGCAGCGGTATCATCAACAG
GCTTACCCGTCTTACTGTCGGGAATTCATTTAAATAGTCAAAGCCTCCGACCG
GAGGCTTTTGACTGCTAGGCGATCTGTGCTGTTTGCCACGGTATGCAGCACCA
GCGCGAGATTATGGGCTCGCACGCTCGACTGTCGGACGGGGGCACTGGAACG
AGAAGTCAGGCGAGCCGTCACGCCCTTGACAATGCCACATCCTGAGCAAATAAT
TCAACCACTAAACAAATCAACCGCGTTTCCCGGAGGTAACCAAGCTTGCGGGAG
AGAATGATGAACAAGAGCCAACAAGTTCAGACAATCACCCCTGGCCGCCGCCCA
GCAAATGGCGGCGGCGGTGGAAAAAAAAGCCACTGAGATCAACGTGGCGGTG
GTGTTTTCCGTAGTTGACCGCGGAGGCAACACGCTGCTTATCCAGCGGATGGA
CGAGGCCTTCGTCTCCAGCTGCGATATTTCCCTGAATAAAGCCTGGAGCGCCT
GCAGCCTGAAGCAAGGTACCCATGAAATTACGTCAGCGGTCCAGCCAGGACAA
TCTCTGTACGGTCTGCAGCTAACCAACCAACAGCGAATTATTATTTTTGGCGGC
GGCCTGCCAGTTATTTTAAATGAGCAGGTAATTGGCGCCGTCGGCGTTAGCGG
CGGTACGGTCGAGCAGGATCAATTATTAGCCAGTGCGCCCTGGATTGTTTTTC
CGCATTATAACCTGAAGCGAGAAGGTATATTATGAGCTATCGTATGTTCCGCCA
GGCATTCTGAGTGTTAACGAGGGGACCGTCATGTCGCTTTCACCGCCAGGCGT
ACGCCTGTTTTACGATCCGCGCGGGCACCATGCCGGCGCCATCAATGAGCTGT
GCTGGGGGCTGGAGGAGCAGGGGGTCCCCTGCCAGACCATAACCTATGACGG
AGGCGGTGACGCCGCTGCGCTGGGCGCCCTGGCGGCCAGAAGCTCGCCCCCT
GCGGGTGGGTATCGGGCTCAGCGCGTCCGGCGAGATAGCCCTCACTCATGCC
CAGCTGCCGGCGGACGCGCCGCTGGCTACCGGACACGTCACCGATAGCGACG
ATCAACTGCGTACGCTCGGCGCCAACGCCGGGCAGCTGGTTAAAGTCCTGCCG
TTAAGTGAGAGAACTGAATGTATCGTATCTATACCCGCACCGGGGATAAAGGC
ACCACCGCCCTGTACGGCGGCAGCCGCATCGAGAAAGACCATATTCGCGTCTGA
GGCCTACGGCACCGTCGATGAACTGATATCCCAGCTGGGCGTCTGCTACGCCA
CGACCCGCGACGCCGGGCTGCGGGAAAGCCTGCACCATATTCAGCAGACGCT

FIG. 8D

GTTCTGTGCTGGGGGCTGAACTGGCCAGCGATGCGCGGGGCCTGACCCGCCTG
AGCCAGACGATCGGCGAAGAGGAGATCACCGCCCTGGAGCGGCTTATCGACC
GCAATATGGCCGAGAGCGGCCCCGTAAAACAGTTCGTGATCCCGGGGAGGAAT
CTCGCCTCTGCCAGCTGCACGTGGCGCGCACCCAGTCCCGTCGGCTCGAAC
GCCTGCTGACGGCCATGGACCGCGCGCATCCGCTGCGCGACGCGCTCAAACG
CTACAGCAATCGCCTGTGCGATGCCCTGTTCTCCATGGCGCGAATCGAAGAGA
CTAGGCCTGATGCTTGCGCTTGAAGTGGCCTAGCAAACACAGAAAAAGCCCCG
CACCTGACAGTGCGGGCTTTTTTTTTCTAGGCGATCTGTGCTGTTTGCCACGG
TATGCAGCACCGAGCGCGAGATTATGGGCTCGCACGCTCGACTGTGCGACGGG
GGCACTGGAACGAGAAGTCAGGCGAGCCGTACGCCCTTGACAATGCCACATC
CTGAGCAAATAATTCAACCACTAAACAAATCAACCGCGTTTCCCGGAGGTAACC
AAGCTTCACCTTTTGAGCCGATGAACAATGAAAAGATCAAACGATTTGCAGTAC
TGGCCCAGCGCCCCGTCAATCAGGACGGGCTGATTGGCGAGTGGCCTGAAGA
GGGGCTGATCGCCATGGACAGCCCCTTGACCCGGTCTCTTCAGTAAAAGTGG
ACAACGGTCTGATCGTCGAACTGGACGGCAAACGCCGGGACCAGTTTGACATG
ATCGACCGATTTATCGCCGATTACGCGATCAACGTTGAGCGCACAGAGCAGGC
AATGCGCCTGGAGGCGGTGGAAATAGCCCGTATGCTGGTGGATATTCACGTCA
GCCGGGAGGAGATCATTGCCATCACTACCGCCATCACGCCGGCCAAAGCGGTG
GAGGTGATGGCGCAGATGAACGTGGTGGAGATGATGATGGCGCTGCAGAAGAT
GCGTGCCCGCCGGACCCCCCTCCAACCAAGTGCCACGTACCAATCTCAAAGATA
ATCCGGTGCAGATTGCCGCTGACGCCGCCGAGGCCGGGATCCGCGGCTTCTC
AGAACAGGAGACCACGGTCCGTATCGCGCGCTACGCGCCGTTTAACGCCCTGG
CGCTGTTGGTCGGTTCGCAGTGCGGCCGCCCGCGGTGTTGACGCAGTGCTC
GGTGGAAGAGGCCACCGAGCTGGAGCTGGGCATGCGTGGCTTAACCAGCTAC
GCCGAGACGGTGTGCGTCTACGGCACCGAAGCGGTATTTACCGACGGCGATGA
TACGCCGTGGTCAAAGGCGTTTCTCGCCTCGGCCTACGCCTCCCGCGGGTTGA
AAATGCGCTACACCTCCGGCACCGGATCCGAAGCGCTGATGGGCTATTCGGAG
AGCAAGTCGATGCTCTACCTCGAATCGCGCTGCATCTTCATTACTAAAGGCGCC
GGGGTTCAGGGACTGCAAACGGCGCGGTGAGCTGTATCGGCATGACCGGCG
CTGTGCCGTGCGGCATTGCGGCGGTGCTGGCGGAAACCTGATCGCCTCTATG
CTCGACCTCGAAGTGGCGTCCGCCAACGACCAGACTTTCTCCCACTCGGATATT
CGCCGCACCGCGCGCACCCCTGATGCAGATGCTGCCGGGCACCGACTTTATTTT

FIG. 8E

CTCCGGCTACAGCGCGGTGCCGAACACGACAACATGTTCCGCGGCTCGAACT
TCGATGCGGAAGATTTTATGATTACAACATCCTGCAGCGTGACCTGATGGTTG
ACGGCGGCCTGCGTCCGGTGACCGAGGCGGAAACCATTGCCATTCGCCAGAA
AGCGGCGCGGGCGATCCAGGCGGTTTTCCGCGAGCTGGGGCTGCCGCCAATC
GCCGACGAGGAGGTGGAGGCCGCCACCTACGCGCACGGCAGCAACGAGATGC
CGCCGCGTAACGTGGTGGAGGATCTGAGTGCGGTGGAAGAGATGATGAAGCG
CAACATCACCGGCCTCGATATTGTCGGCGCGCTGAGCCGCAGCGGCTTTGAGG
ATATCGCCAGCAATATTCTCAATATGCTGCGCCAGCGGGTCACCGGCGATTACC
TGCAGACCTCGGCCATTCTCGATCGGCAGTTCGAGGTGGTGAAGTGCGGTCAAC
GACATCAATGACTATCAGGGGGCCGGGCACCGGCTATCGCATCTCTGCCGAACG
CTGGGCGGAGATCAAAAATATTCCGGGCGTGGTTAGCCCGACACCATTTGAAT
AAGGCGGTATTCTGTGCAACAGACAACCCAAATTAGCCCTCTTTTACCCTGA
AAACCCGCGAGGGCGGGGTAGCTTCTGCCGATGAACGCGCCGATGAAGTGGT
GATCGGCGTCCGCCCTGCCTTCGATAAACACCAGCATCACACTCTGATCGATAT
GCCCCATGGCGCGATCCTCAAAGAGCTGATTGCCGGGGTGGAAGAAGAGGGG
CTTCACGCCCCGGGTGGTGCGCATTCTGCGCACGTCCGACGTCTCCTTTATGGC
CTGGGATGCGGCCAACCTGAGCGGCTCGGGGATCGGCATCGGTATCCAGTCG
AAGGGGACCACGGTCATCCATCAGCGCGATCTGCTGCCGCTCAGCAACCTGGA
GCTGTTCTCCCAGGCGCCGCTGCTGACGCTGGAGACCTACCGGCAGATTGGCA
AAAACGCTGCGCGCTATGCGCGCAAAGAGTCACCTTCGCCGGTGCCGGTGGTG
AACGATCAGATGGTGCGGCCGAAATTTATGGCCAAAGCCGCGCTATTTATATC
AAAGAGACCAAACATGTGGTGCAGGACGCCGAGCCCGTCACCCTGCACATCGA
CTTAGTAAGGGAGTGACCATGAGCGAGAAAACCATGCGCGTGAGGATTATCC
GTTAGCCACCCGCTGCCCGGAGCATATCCTGACGCCTACCGGCAAACCATTGA
CCGATATTACCCTCGAGAAGGTGCTCTCTGGCGAGGTGGGCCCCGAGGATGTG
CGGATCTCCCGCCAGACCCTTGAGTACCAGGCGCAGATTGCCGAGCAGATGCA
GCGCCATGCGGTGGCGCGCAATTTCCGCCGCGCGGCGGAGCTTATCGCCATT
CCTGACGAGCGCATTCTGGCTATCTATAACGCGCTGCGCCCGTTCCGCTCCTC
GCAGGCGGAGCTGCTGGCGATCGCCGACGAGCTGGAGCACACCTGGCATGCG
ACAGTGAATGCCGCCTTTGTCCGGGAGTCGGCGGAAGTGTATCAGCAGCGGCA
TAAGCTGCGTAAAGGAAGCTAAGCGGAGGTGAGCATGCCGTTAATAGCCGGGA
TTGATATCGGCAACGCCACCACCGAGGTGGCGCTGGCGTCCGACTACCCGCAG
GCGAGGGCGTTTGTGTCAGCGGGATCGTCGCGACGACGGGCATGAAAGGGA

FIG. 8F

CGCGGGACAATATCGCCGGGACCCTCGCCGCGCTGGAGCAGGCCCTGGCGAA
AACACCGTGGTCGATGAGCGATGTCTCTCGCATCTATCTTAACGAAGCCGCGCC
GGTGATTGGCGATGTGGCGATGGAGACCATCACCGAGACCATTATCACCGAAT
CGACCATGATCGGTCATAACCCGCGAGACGCCGGGCGGGGTGGGCGTTGGCGT
GGGGACGACTATCGCCCTCGGGCGGCTGGCGACGCTGCCGGCGGGCGCAGTAT
GCCGAGGGGTGGATCGTACTGATTGACGACGCCGTGATTTCTTGACGCCGT
GTGGTGGCTCAATGAGGCGCTCGACCGGGGGATCAACGTGGTGGCGGGCGATC
CTCAAAAAGGACGACGGCGTGCTGGTGAACAACCGCCTGCGTAAACCCTGCC
GGTGGTGGATGAAGTGACGCTGCTGGAGCAGGTCCCCGAGGGGGTAATGGCG
GCGGTGGAAGTGGCCGCGCCGGGCCAGGTGGTGCGGATCCTGTGGAATCCCT
ACGGGATCGCCACCTTCTTCGGGCTAAGCCCGGAAGAGACCCAGGCCATCGTC
CCCATCGCCCGCGCCCTGATTGGCAACCGTTCCGCGGTGGTGGTCAAGACCCC
GCAGGGGGATGTGCAGTCGCGGGTGATCCCGGCGGGCAACCTCTACATTAGC
GGCGAAAAGCGCCGCGGAGAGGCCGATGTCGCCGAGGGGCGCGGAAGCCATC
ATGCAGGCGATGAGCGCCTGCGCTCCGGTACGCGACATCCGCGGCGAACC GG
GCACCCACGCCGGCGGCATGCTTGAGCGGGTGCGCAAGGTAATGGCGTCCCT
GACCGGCCATGAGATGAGCGCGATATACATCCAGGATCTGCTGGCGGTGGATA
CGTTTATTCCGCGCAAGGTGCAGGGCGGGATGGCCGGCGAGTGCGCCATGGA
GAATGCCGTGCGGATGGCGGCGATGGTGAAAGCGGATCGTCTGCAAATGCAG
GTTATCGCCCGCGAACTGAGCGCCCGACTGCAGACCGAGGTGGTGGTGGGCG
GCGTGGAGGCCAACATGGCCATCGCCGGGGCGTTAACCACTCCCGGCTGTGC
GGCGCCGCTGGCGATCCTCGACCTCGGCGCCGGCTCGACGGATGCGGCGATC
GTCAACGCGGAGGGGCGAGATAACGGCGGTCCATCTCGCCGGGGCGGGGAATA
TGGTCAGCCTGTTGATTAAAACCGAGCTGGGCCTCGAGGATCTTTCGCTGGCG
GAAGCGATAAAAAAATACCCGCTGGCCAAAGTGGAAGCCTGTTCAGTATTCGT
CACGAGAATGGCGCGGTGGAGTTCTTTCGGGAAGCCCTCAGCCCGGCGGTGTT
CGCCAAAGTGGTGTACATCAAGGAGGGCGAACTGGTGCCGATCGATAACGCCA
GCCCGCTGGAAAAAATTCGTCTCGTGCGCCGGCAGGCGAAAGAGAAAGTGTTC
GTCACCAACTGCCTGCGCGCGCTGCGCCAGGTCTCACCCGGCGGTTCCATTCC
CGATATCGCCTTTGTGGTGGTGGTGGGCGGCTCATCGCTGGACTTTGAGATCC
CGCAGCTTATCACGGAAGCCTTGTCGCACTATGGCGTGGTGGCGGGCGAGGG
CAATATTCGGGGAACAGAAGGGCCGCGCAATGCGGTGCGCACCGGGGCTGCTA
CTGGCCGGTCAGGCGAATTAAACGGGCGCTCGCGCCAGCCTCTAGGTACAAAT

FIG. 8G

AAAAAAGGCACGTCAGATGACGTGCCTTTTTCTTGTCTAGAGTACTGGCGAAA
GGGGGATGTGCTGCAAGGCGATTAAGTTGGGTAACGCCAGGGTTTTCCCAGTC
ACGACGTTGTAAAACGACGGCCAGTGAATTCGAGCTCGGTACCCGGGGCGGCC
GCGCTAGCGCCCGATCCAGCTGGAGTTTGTAGAAACGCAAAAAGGCCATCCGT
CAGGATGGCCTTCTGCTTAATTTGATGCCTGGCAGTTTATGGCGGGCGTCCTGC
CCGCCACCCTCCGGGGCGTTGCTTCGCAACGTTCAAATCCGCTCCCGGCGGAT
TTGTCCTACTCAGGAGAGCGTTCACCGACAAACAACAGATAAAACGAAAGGCC
AGTCTTTTCGACTGAGCCTTTCTGTTTTATTTGATGCCTGGCAGTTCCCTACTCTCG
CATGGGGAGACCCACACTACCATCGGCGCTACGGCGTTTCACTTCTGAGTTC
GGCATGGGGTCAGGTGGGACCACCGCGCTACTGCCGCCAGGCAAATTCTGTTT
TATCAGACCGCTTCTGCGTTCTGATTTAATCTGTATCAGGCTGAAAATCTTCTCT
CATCCGCCAAAACAGCCAAGCTTGCATGCCTGCAGCCCGGGTTACCATTTCAAC
AGATCGTCCTTAGCATATAAGTAGTCGTA AAAATGAATTCAACTTCGTCTGTTT
CGGCATTGTAGCCGCCAACTCTGATGGATTCTGTTGTTTGGACAATGATGTCAC
AGCCTTTTTCTTTAGGAAGTCCAAGTCGAAAGTAGTGGCAATACCAATGATCTT
ACAACCGGCGGCTTTTCCGGCGGCAATACCTGCTGGAGCGTCTTCAAATACTAC
TACCTTAGATTTGGAAGGGTCTTGCTCATTGATCGGATATCCTAAGCCATTCTGT
CCCTTCAGATATGGTTCTGGATGAGGCTTACCCTGTTTGACATCATTAGCGGTA
ATGAAGTACTTTGGTCTCCTGATTCCCAGATGCTCGAACCATTTTTGTGCCATAT
CACGGGTACCGGAAGTTGCCACAGCCATTTCTCTTTTGGTAGAGCGTTCAAAG
CGTTGCACAGCTTAACTGCACCTGGGACTTCAATGGATTTTTTACCAGTACTTGA
CCGGAATTTAGCTTCTAATTTGTTAACATACTCTTCATTGGCAAAGTCTGGAGC
GAACTTAGCAATGGCATCAAACGTTCTCCAACCATGCGAGACTTGGATAACGTG
TTCAGCATCGAAATAAGGTTTGTCTTACCGAAATCCCTCCAGAATGCAGCAAT
GGCTGGTTGAGAGATGATAATGGTACCGTCGACGTCGAACAAAGCGGCGTTAA
CTTTCAAAGATAGAGGTTTAGTAGTCAATCCCATAATTCTAGTCTGTTTCCTGGA
TCCAATAAATCTAATCTTCATGTAGATCTAATTCTTCAATCATGTCCGGCAGGTTT
TTCATTGGGTAGTTGTTGTAAACGATTTGGTATACGGCTTCAAATAATGGGAAGT
CTTCGACAGAGCCACATGTTTCCAACCATTCGTGAACCTTCTTTGCAGGTAATTAA
ACCTTGAGCGGATTGGCCATTCAACAACCTCTTTTACATTCCCAGGCGTCCTT
ACCAGAAGTAGCCATTAGCCTAGCAACCTTGACGTTTCTACCACCAGCGCAGGT
GGTGATCAAATCAGCAACACCAGCAGACTCTTGGTAGTATGTTTCTTCTCTAGAT
TCTGGGAAAAACATTTGACCGAATCTGATGATCTCACCCAAACCGACTCTTTGG

FIG. 8H

ATGGCAGCAGAAGCGTTGTTACCCCAGCCTAGACCTTCGACGAAACCACAACCT
AAGGCAACAACGTTCTTCAAAGCACCACAGATGGAGATACCAGCAACATCTTCG
ATGACACTAACGTGGAAGTAAGGTCTGTGGAACAAGGCCTTTAGAACCTTATGG
TCGACGTCCTTGCCCTCGCCTCTGAAATCCTTTGGAATGTGGTAAGCAACTGTT
GTTTCAGACCAGTGTTCTTGAGCGACTTCGGTGGCAATGTTAGCACCAGATAGA
GCACCACATTGAATACCTAGTTCCTCAGTGATGTAAGAGGATAGCAATTGGACA
CCTTTAGCACCAACTTCAAACCCCTTTAGACAGGAGATAGCTCTGACGTGTGAA
TCAACATGACCTTTCAATTGGCTACAGATACGGGGCAAAAATTGATGTGGAATG
TTGAAAACGATGATGTGACATCCTTGACTGAATCAATCAAGTCTGGATTAGCAA
CCAAATTGTGGGTAGAGTGATGCCAGGCAAGTATTTACGTTTTTGATGTCTAG
TATTTATGATTTTCACTCAATTTTTTACCATTGATCTCTTCTTCGAACACCCACATT
TGTAATATTGGAGCGAAACTTCTGGGTATCCCTTACAATTTTCGGCAACCACCT
TGGCAATAGTAGTACCCCAGTTACCAGATCCAATCACAGTAACCTTGAAAGGCT
TTTCGGCAGCCTTCAAAGAAACAGAAGAGGAACTTCTCTTTCTACCAGCATTCAA
GTGGCCGGAAGTTAAGTTTAATCTATCAGCAGCAGCAGCCATGGAATTGTCTC
CTTACTAGTCATGGTCTGTTTCCTGTGTGAAATTGTTATCCGCTCACAATTCCAC
ACATTATACGAGCCGGATGATTAATTGTCAACAGCTCATTTTCAGAATATTTGCCA
GAACCGTTATGATGTGCGCGCAAAAAACATTATCCAGAACGGGAGTGCGCCTTG
AGCGACACGAATTATGCAGTGATTTACGACCTGCACAGCCATACCACAGCTTCC
GATGGCTGCCTGACGCCAGAAGCATTGGTGCACGCTAGCCAGTACATTTAAATG
GTACCCTCTAGTCAAGGCCTTAAGTGAGTCGTATTACGGACTGGCCGTCGTTTT
ACAACGTCGTGACTGGGAAAACCCTGGCGTTACCCAACTTAATCGCCTTGCAGC
ACATCCCCCTTTTCGCCAGCTGGCGTAATAGCGAAGAGGCCCGCACCGATCGCC
CTTCCCAACAGTTGCGCAGCCTGAATGGCGAATGGCGCCTGATGCGGTATTTTC
TCCTTACGCATCTGTGCGGTATTTACACCGCATATGGTGCACCTCTCAGTACAAT
CTGCTCTGATGCCGCATAGTTAAGCCAGCCCCGACACCCGCCAACACCCGCTG
ACGAGCT

FIG. 9

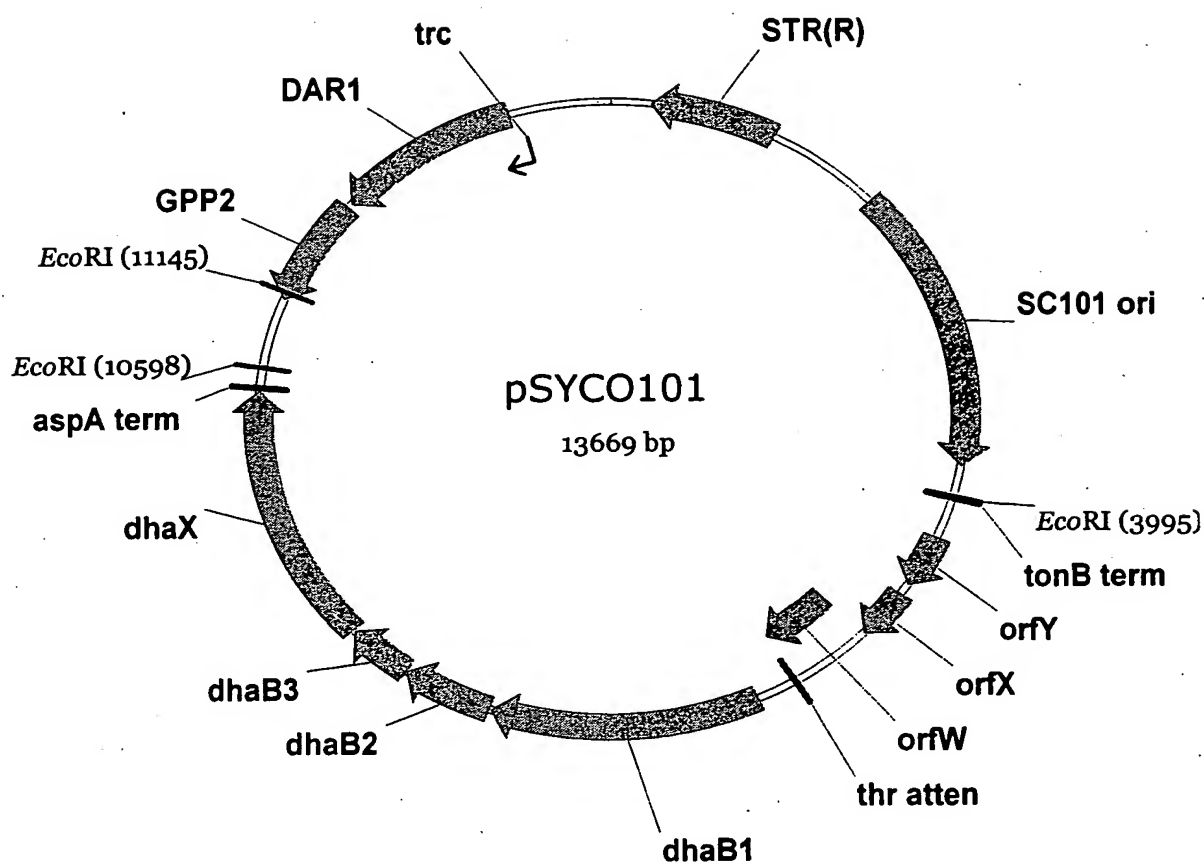
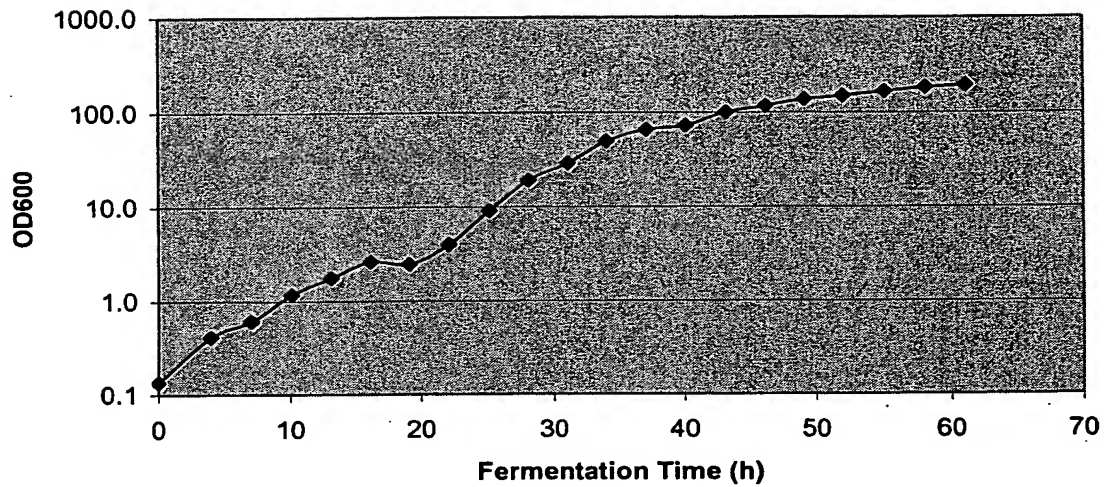


FIG. 10.

A.



B.

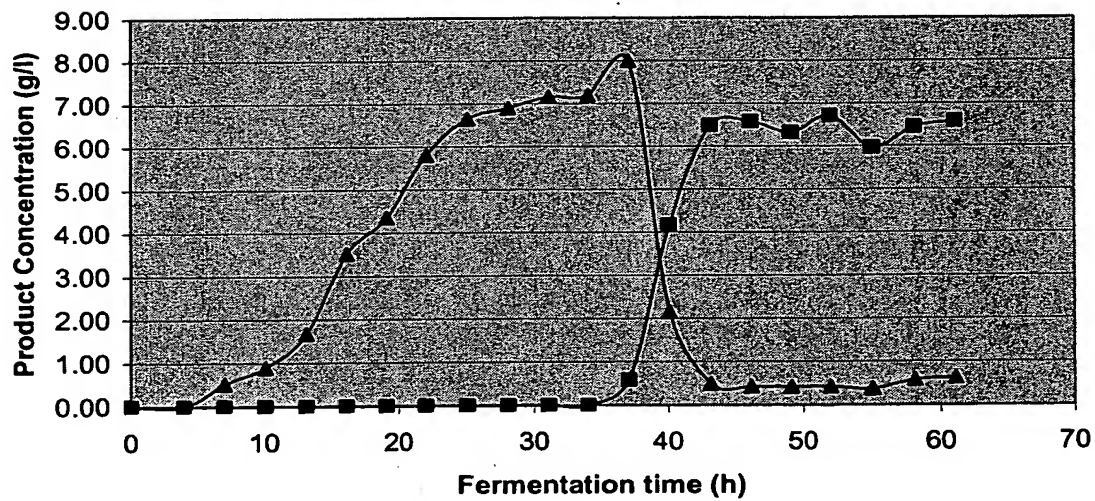
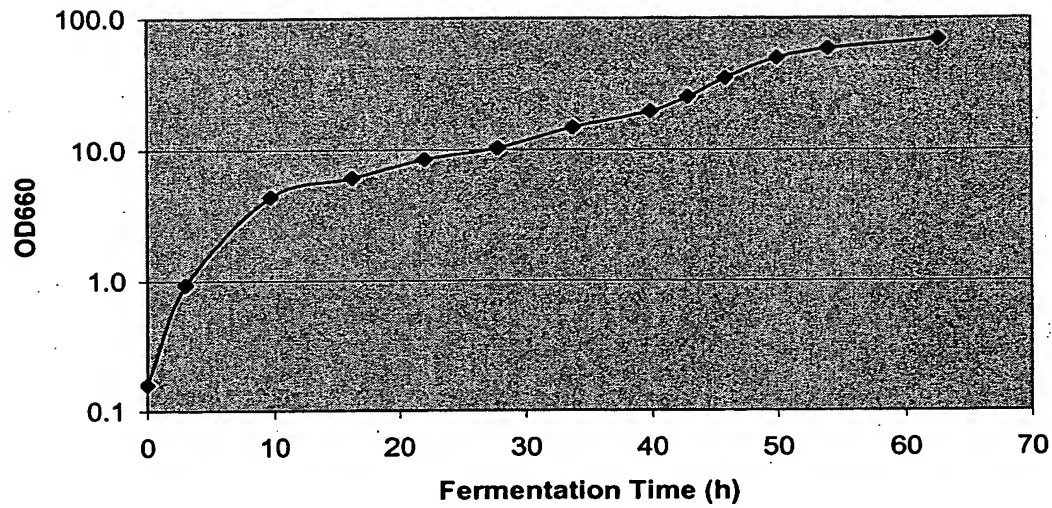


FIG. 11

A.



B.

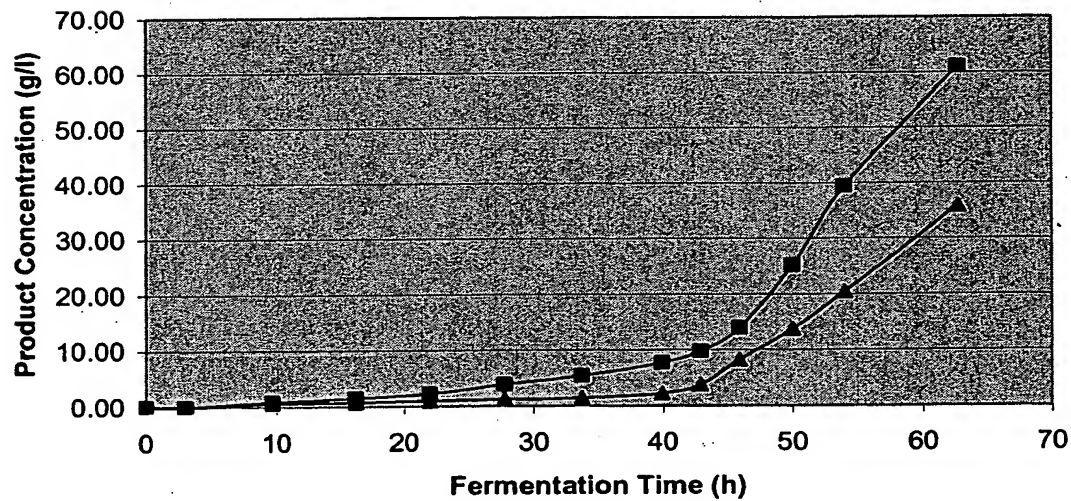
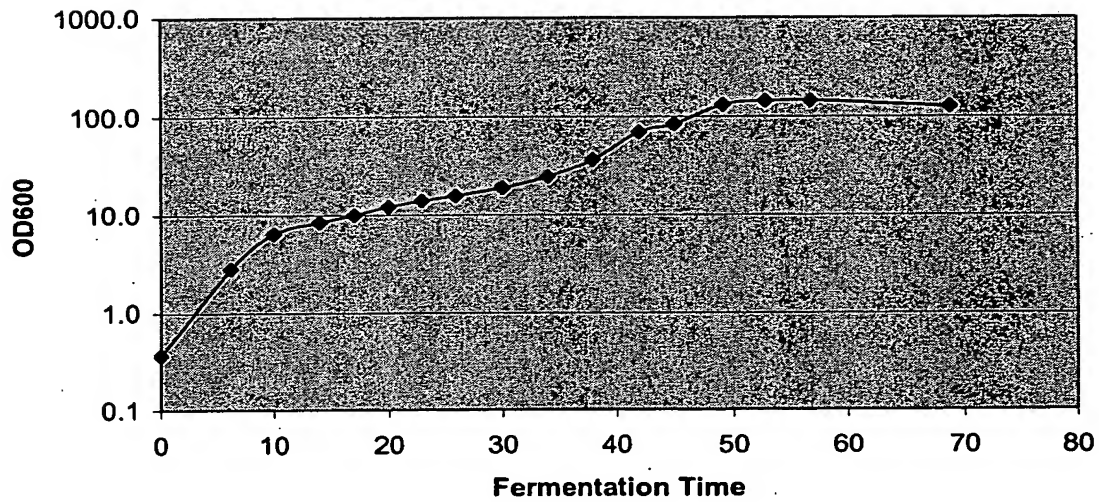
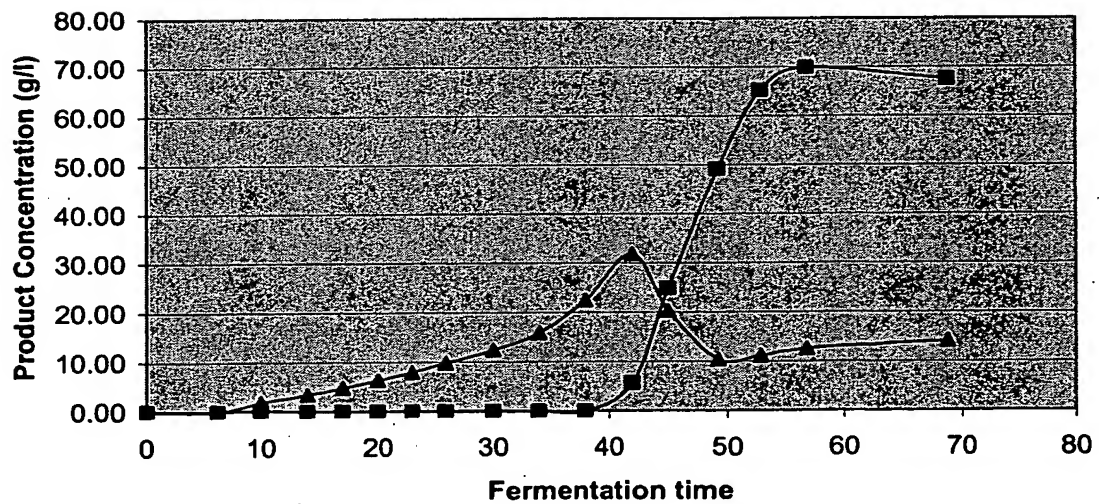


FIG. 12

A.



B.



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